

STATEMENT OF BASIS

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0108898
to discharge to waters of the State of Louisiana.
AI #37099/Activity #PER20060001

THE APPLICANT IS: Super Stop Enterprises, Inc.
Sorrento Super Stop
5423 Hwy. 44
Gonzales, LA 70737

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Darlene Bernard

DATE PREPARED: September 25, 2006

1. PERMIT STATUS

A. Reason for Permit Action:

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term. Although the facility is eligible for coverage under the Light Commercial General Permit, an individual permit is being issued because the previous permit has expired and the facility needs permit coverage ASAP and the Light Commercial General Permit has been stayed by the courts.

B. LPDES permit - LPDES permit effective date: December 1, 2000
LPDES permit expiration date: November 30, 2005

C. LWDPS permit - NA
LWDPS permit effective date: NA
LWDPS permit expiration date: NA

D. Date Application Received: March 20, 2006

2. FACILITY INFORMATION

A. FACILITY TYPE/ACTIVITY - Truck Stop with Restaurant

Existing Truck Stop with Restaurant.

B. FEE RATE

1. Fee Rating Facility Type: Minor
2. Complexity Type: I
3. Wastewater Type: III
4. SIC code: 5541 and 5812

C. LOCATION - 7140 Highway 22, Sorrento, Ascension Parish
Latitude 30°10'08", Longitude 90°52'41"

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3. OUTFALL INFORMATION

Outfall 001

Discharge Type: Treated Sanitary Wastewater

Treatment: 13,000 GPD Mechanical Treatment Plant

Location: at the point of discharge from the treatment plant prior to combining with other waters.

Flow: 3,960 GPD

Discharge Route: Panama Canal via local drainage

Outfall 002

Discharge Type: Stormwater runoff and Fueling area wash down Wastewater

Treatment: Oil-water separator

Location: at the point of discharge from the oil-water separator prior to combining with other waters

Flow: Intermittent

Discharge Route: Panama Canal via local drainage

4. RECEIVING WATERS

STREAM – Panama Canal via local drainage

BASIN AND SEGMENT – Lake Pontchartrain Basin – Subsegment 040404

DESIGNATED USES -
 a. primary contact recreation
 b. secondary contact recreation
 c. propagation of fish and wildlife

5. EXISTING EFFLUENT LIMITS - Outfall 001

<u>Pollutant</u>	<u>Limitation</u>		<u>Monitoring Requirements</u>
	Mo Avg. Report	Daily Max Report	
Flow			1/6 months
BOD ₅		45 mg/L	1/6 months
TSS		45 mg/L	1/6 months
Oil and Grease		15 mg/L	1/6 months
Fecal Coliform Colonies/100 ml		400	1/6 months
pH	6.0 (Min)	9.0 (Max)	

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EXISTING EFFLUENT LIMITS - Outfall 002

<u>Pollutant</u>	<u>Limitation</u>		<u>Monitoring Requirements</u>
	Mo. Avg.	Daily Max	
Flow	Report	Report	1/3 months
COD	200 mg/L	300 mg/L	1/3 months
Oil & Grease		15 mg/l	1/3 months
TSS		45 mg/L	1/3 months
Soaps and/or Detergents	Report		1/3 months
pH	6.0 (Min)	9.0 (Max)	1/3 months

6. PROPOSED EFFLUENT LIMITS

BASIS – See rationale below.

6. COMPLIANCE HISTORY/COMMENTS

A. Compliance History

9-26-01 - Compliance Evaluation Inspection - Sampling as required in permit is not being done. Flows are not being estimated and reported as required in permit. Storm Water Pollution Prevention Plan has not been developed. Minor oil staining of the parking area on one side of facility was noted. No discharge at the time of inspection.

11-7-03 - Compliance Evaluation Inspection - Review of DMR's from October, 2002 to September 2003 revealed no excursions for outfall 001. Outfall 002 experienced 3 TSS and 3 Oil & Grease exceedances. A willow tree was growing in the clarifier.

03-25-04 – Warning Letter sent in reference to Facility Inspection on November 7, 2003.

B. DMR Review/Excursions

There were DMRs on file from 2002 to 2006. For Outfall 001 there was 1 excursion for BOD in the January to March, 2004 report. Outfall 002 had the following excursions:

- July to Sept., 2002 - TSS and Oil & Grease
- Oct. to Dec., 2002 - TSS and Oil & Grease
- Jan. To Mar., 2003 - TSS and Oil & Grease
- Jul. To Sept., 2003 - TSS and Oil & Grease
- Oct. To Dec., 2003 - TSS
- Jan. To Mar., 2004 - TSS
- Apr. To Jun., 2004 - TSS
- Jul. To Sept., 2004 - COD and TSS
- Oct. To Dec., 2004 - COD and TSS
- Jan. To Mar., 2005 - COD
- Apr. To Jun., 2005 - Oil & Grease

8. ENDANGERED SPECIES

The receiving waterbodies and proposed discharge are not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife (FWS). This strategy was submitted with a letter dated October 21, 2005 from Watson (FWS) to Gautreaux (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

9. 303 (d) LISTED WATERBODIES

Subsegment 040404, New River-Headwaters to New River Canal, is listed on LDEQ's 2004 303(d) List as impaired for non-native aquatic plants, Organic Enrichment/Low DO, and Pathogen Indicators. To date no TMDLs have been completed for this waterbody. A reopener clause is established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by a TMDL. Until completion of TMDLs for the Lake Pontchartrain Basin, those suspected causes for impairment which are not directly attributed to the truck stop point source category have been eliminated in the formulation of effluent limitations and other requirements of this permit. Additionally, suspected causes of impairment which could be attributed to pollutants which were not determined to be discharged at a level which would cause, have the reasonable potential to cause or contribute to an excursion above any present state water quality standard were also eliminated. These impairments are non-native aquatic plants.

10. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

11. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in the application.

12. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

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Public notice published in:

Local newspaper of general circulation
 Office of Environmental Services Public Notice Mailing List

Rationale for Super Stop Enterprises, Inc.

1. **Outfall 001** – Treated Sanitary Wastewater
 (estimated flow is 3960 GPD)

<u>Pollutant</u>	<u>Limitation</u>		<u>Reference</u>
	Mo. Avg.	Daily Max (Mg/l)	
Flow (GPD)	Report	Report	
BOD ₅	-----:	45	Similar discharges * (BPJ)
TSS	-----:	45	Similar discharges * (BPJ)
Oil & Grease	-----:	15	Similar discharges * (BPJ)
Fecal Coliform			
Colonies/100 ml		400	Similar discharges * (BPJ)
pH		6.0 - 9.0 su	Similar discharges * (BPJ)

Treatment: Mechanical Treatment Plant with Aeration and Chlorine

Monitoring Frequency: Flow, BOD₅, TSS, Oil & Grease, Fecal Coliform, and pH – 1/6 months. The sample will be at the point of discharge from the Mechanical Treatment Plant prior to mixing with other waters.

***Limits Justification:** BPJ based on previous LPDES permit, and existing permits for similar outfalls.

- Outfall 002** – Stormwater and Fueling Area Washdown Wastewater
 (estimated flow is intermittent)

<u>Pollutant</u>	<u>Limitation</u>		<u>Reference</u>
	Mo. Avg.	Daily Max (Mg/l)	
Flow (GPD)	Report	Report	
COD**	200:	300	Similar discharges * (BPJ)
Oil & Grease	-----:	15	Similar discharges * (BPJ)
TSS	-----:	45	Similar discharges * (BPJ)
pH		6.0 - 9.0 su	Similar discharges * (BPJ)
Soaps and/or Detergents	Report		Similar discharges * (BPJ)
Visible Sheen		No Presence	Similar discharges * (BPJ)

Treatment: Oil/Water separator

Monitoring Frequency: Flow, COD, Oil & Grease, TSS, pH, and Soaps and/or Detergents – 1/3 months. Visible Sheen shall be reported daily. The sample will be at the point of discharge from the Oil-Water separator prior to mixing with other waters.

***Limits Justification:** BPJ based on previous LPDES permit, and existing permits for similar outfalls.

**** COD (high level):** If stormwater is commingled with the wash wastewater, i.e. if the facility is not constructed so as to prevent stormwater from entering the treatment system, then the limitation for COD shall be a daily maximum effluent limitation of 125 mg/L

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BPJ Best Professional Judgment
GPD Gallons per Day
su Standard Units

NOTE

For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.